

Data File : VV008061.D
Acq On : 04 Oct 2018 14:33
Operator : SY/MD
Sample : J5246-03
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J71

Quant Time: Oct 05 05:21:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:20:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	85389	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	82131	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20619	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.59	69	19469	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.14	63	38038	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	3.96	46	79976	58.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.18%
24) Chloroform-d	4.41	84	54455	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.09	65	29030	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.10	84	102540	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.13	67	33881	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.36	98	93861	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.67	79	11063	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.14	63	55516	52.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.10%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24936	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	41447	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Qvalue
8) Chloroethane	1.60	64	345	0.084 ug/L	84
12) 1,1-Dichloroethene	2.15	96	8456	1.498 ug/L #	41
13) Acetone	2.21	43	3229	3.219 ug/L	94
15) Methyl Acetate	2.55	43	386	0.150 ug/L #	51
19) 1,1-Dichloroethane	3.23	63	2440	0.230 ug/L #	89
21) 2-Butanone	4.04	43	2955	1.849 ug/L #	52
22) cis-1,2-Dichloroethene	3.97	96	17226	2.734 ug/L	97
25) Chloroform	4.43	83	1068	0.093 ug/L	89
29) 1,1,1-Trichloroethane	4.66	97	826	0.084 ug/L #	87
34) Trichloroethene	5.96	95	47786	7.096 ug/L	95
35) Methylcyclohexane	6.13	83	8400	0.832 ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3951	0.658 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	870	0.108 ug/L #	64
42) Toluene	7.44	91	10185	0.398 ug/L	99
47) Tetrachloroethene	8.02	164	3614	0.579 ug/L	94
49) Dibromochloromethane	8.02	129	2835	0.573 ug/L #	12
53) m,p-xylene	9.18	106	1094	0.101 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100418\
Quantitation Report (Not Reviewed)

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QLast Update : Fri Oct 05 05:20:32 2018
Response via : Initial Calibration

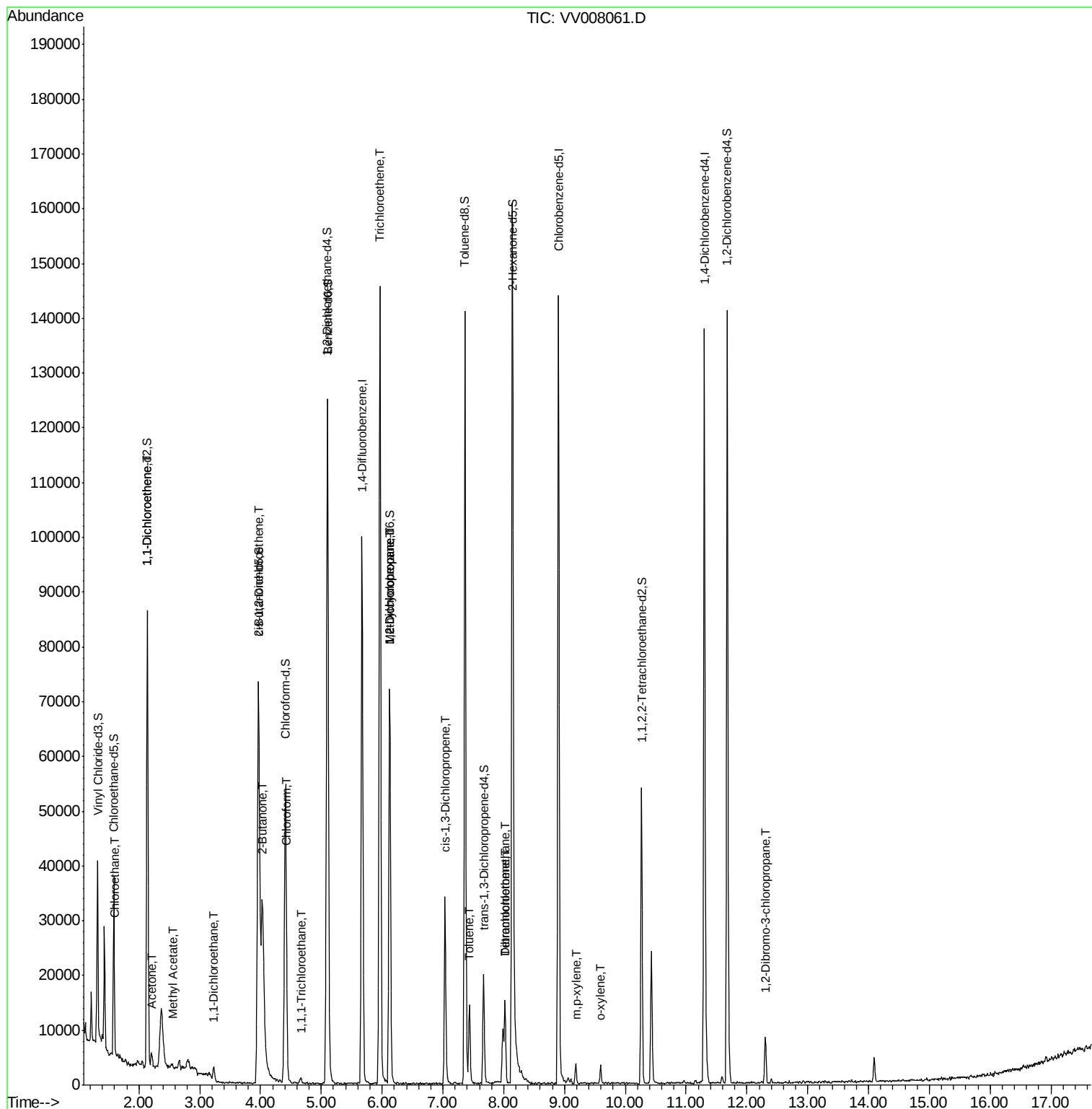
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.59	106	859	0.082	ug/L	87
66) 1,2-Dibromo-3-chloropropan	12.30	75	244	0.393	ug/L #	1

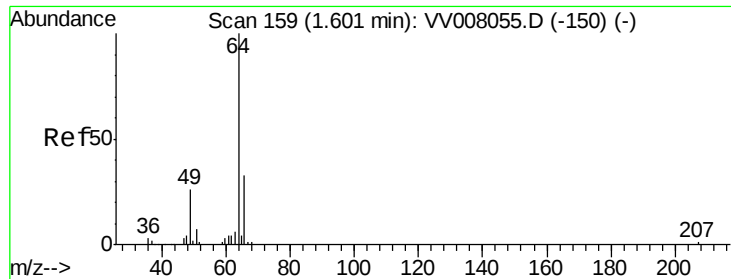
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV008061.D

Acq: 04 Oct 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

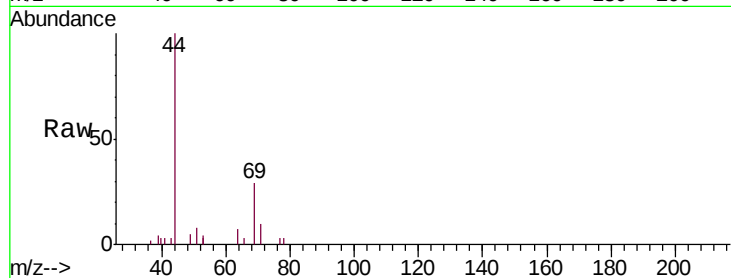
C0J71

Tgt Ion: 64 Resp: 345

Ion Ratio Lower Upper

64 100

66 42.0 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV008055.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008055.D (-150) (-)

1.60

300

250

200

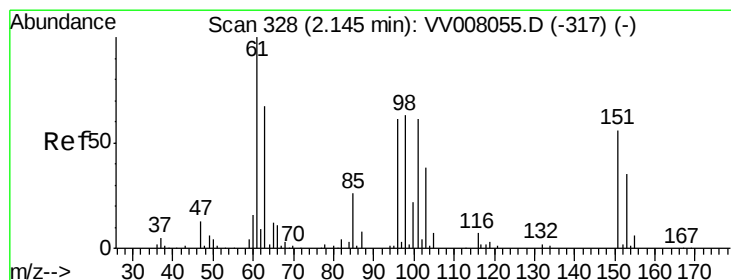
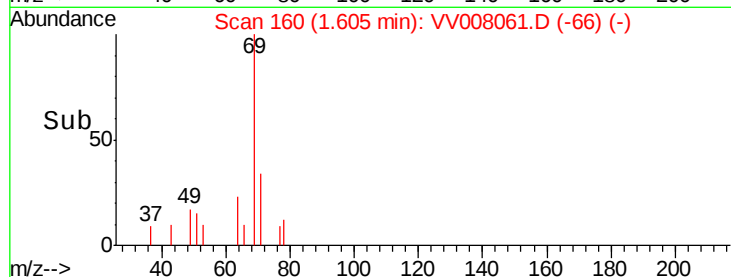
150

100

50

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.498 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV008061.D

Acq: 04 Oct 2018 14:33

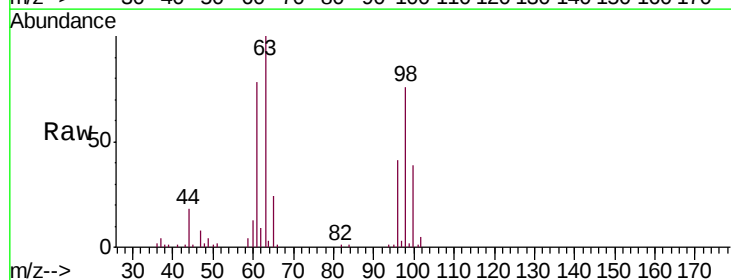
Tgt Ion: 96 Resp: 8456

Ion Ratio Lower Upper

96 100

61 188.1 114.1 211.9

63 242.3 81.5 151.3#



Abundance Ion 96.00 (95.70 to 96.70): VV008055.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008055.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008055.D (-317) (-)

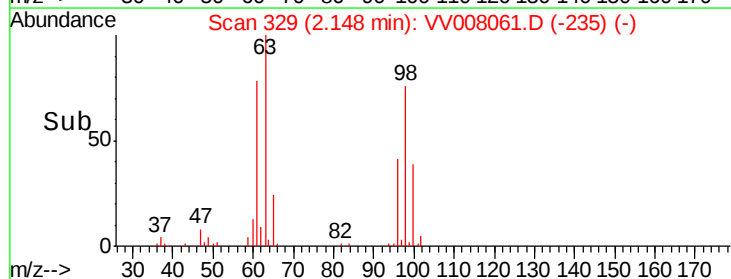
30000

20000

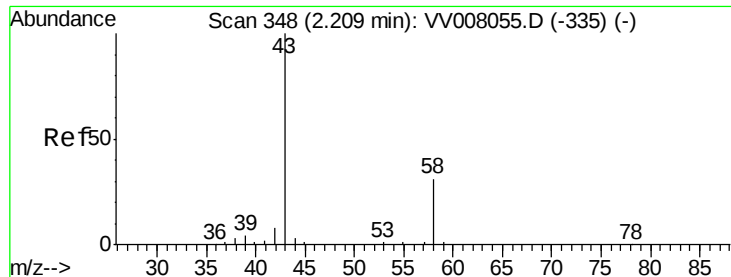
10000

0

Time-->



2.15



#13

Acetone

Concen: 3.219 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV008061.D

Acq: 04 Oct 2018 14:33

Instrument :

MSVOA_V

ClientSampled :

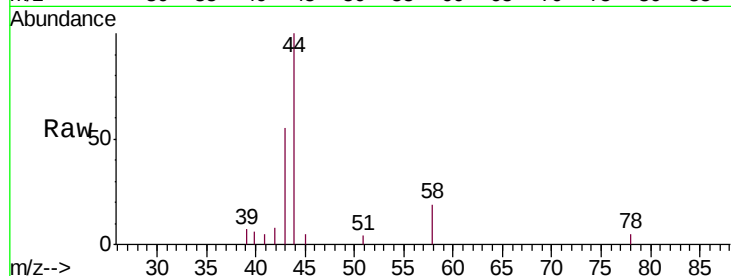
C0J71

Tgt Ion: 43 Resp: 3229

Ion Ratio Lower Upper

43 100

58 27.7 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008055.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV008055.D (-335) (-)

2.21

1500

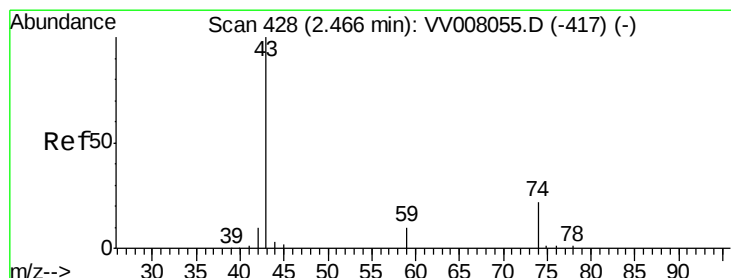
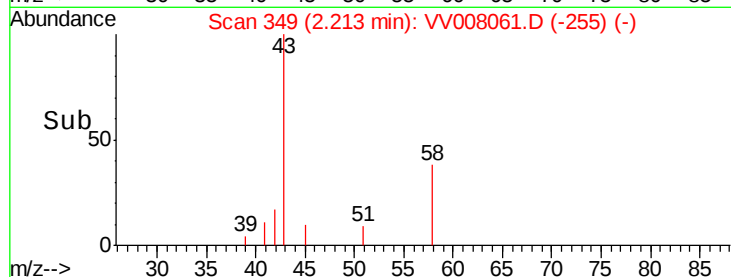
1000

500

0

2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 0.150 ug/L

RT: 2.55 min Scan# 453

Delta R.T. 0.08 min

Lab File: VV008061.D

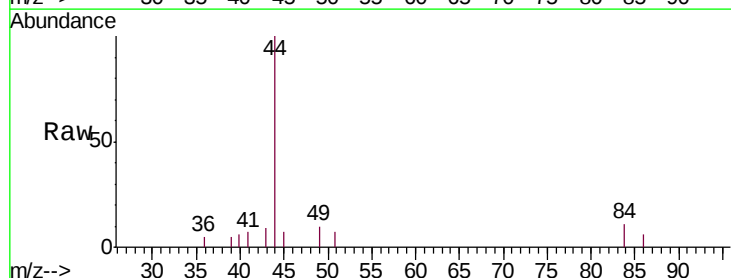
Acq: 04 Oct 2018 14:33

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV008055.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VV008055.D (-417) (-)

2.55

200

150

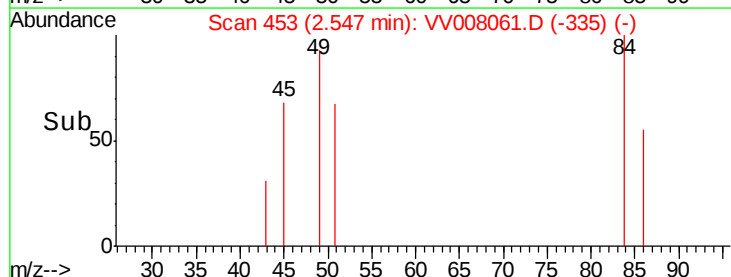
100

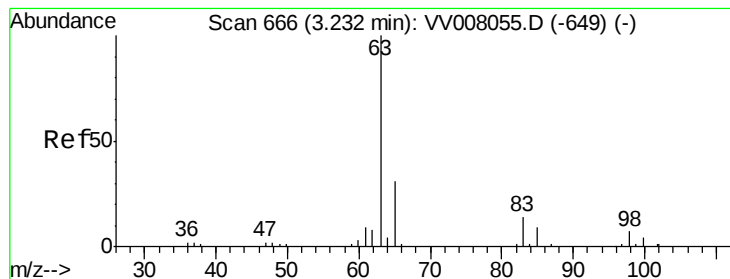
50

0

2.52 2.54 2.56 2.58

Time-->





#19

1,1-Dichloroethane

Concen: 0.230 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV008061.D

Acq: 04 Oct 2018 14:33

Instrument :

MSVOA_V

ClientSampled :

C0J71

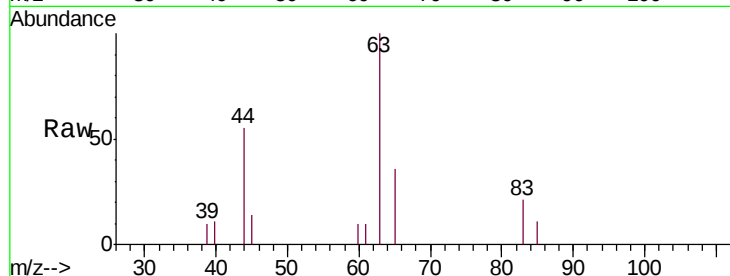
Tgt Ion: 63 Resp: 2440

Ion Ratio Lower Upper

63 100

65 36.5 22.3 41.5

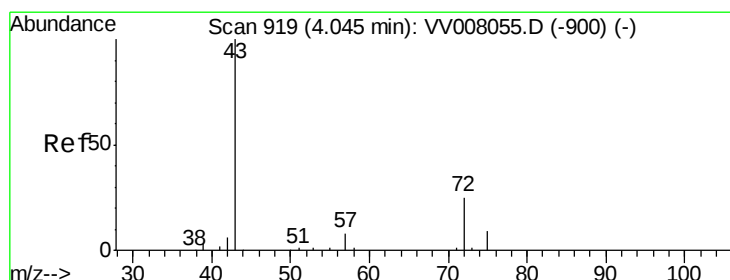
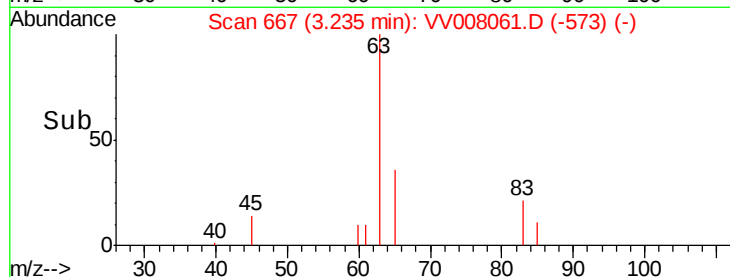
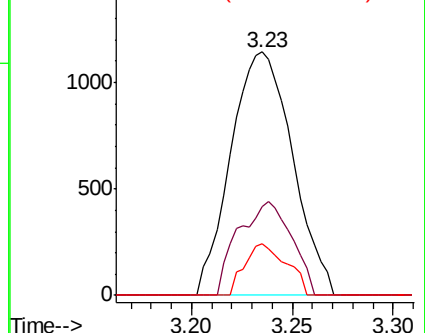
83 21.0 9.8 18.2#



Abundance Ion 63.10 (62.80 to 63.80): VV008055.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV008055.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV008055.D (-649) (-)



#21

2-Butanone

Concen: 1.849 ug/L

RT: 4.04 min Scan# 916

Delta R.T. -0.01 min

Lab File: VV008061.D

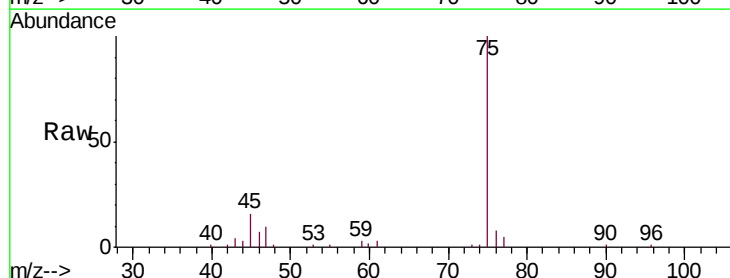
Acq: 04 Oct 2018 14:33

Tgt Ion: 43 Resp: 2955

Ion Ratio Lower Upper

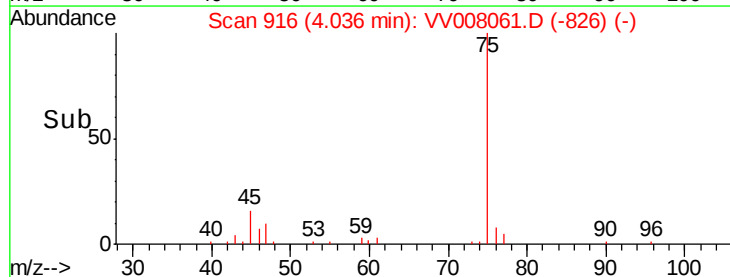
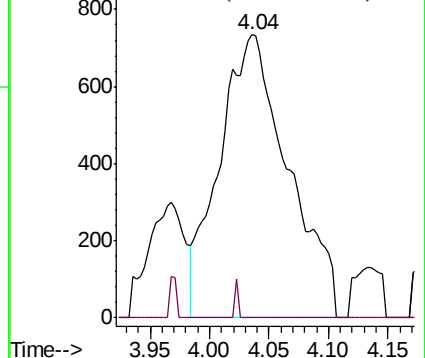
43 100

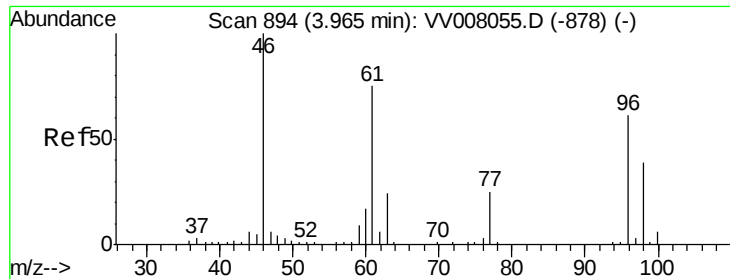
72 0.7 12.5 37.5#



Abundance Ion 43.05 (42.75 to 43.75): VV008055.D (-900) (-)

Ion 72.10 (71.80 to 72.80): VV008055.D (-900) (-)

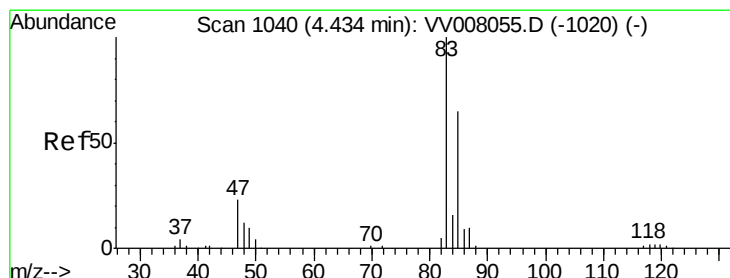
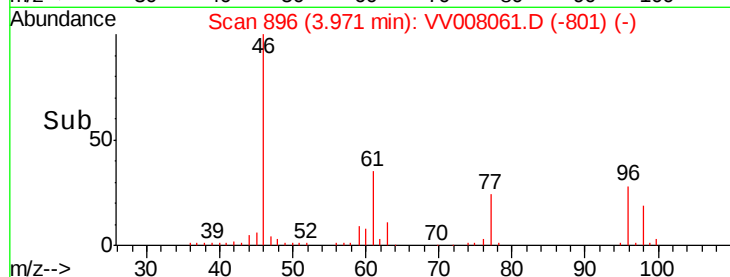
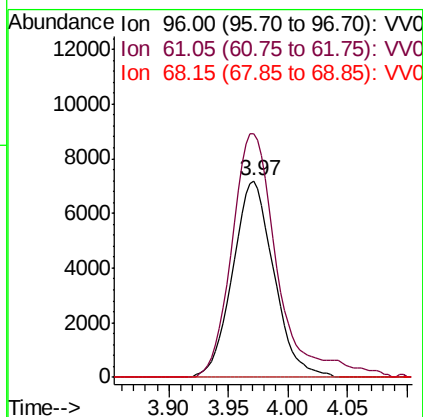
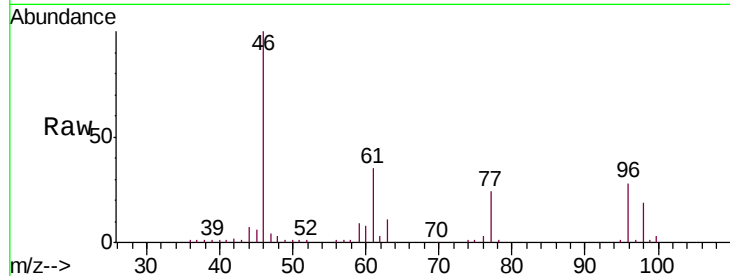




#22
 cis-1,2-Dichloroethene
 Concen: 2.734 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV008061.D
 Acq: 04 Oct 2018 14:33

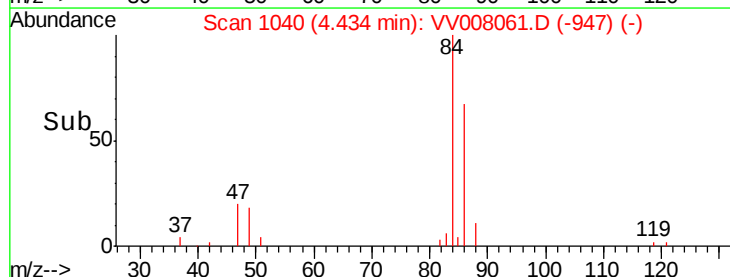
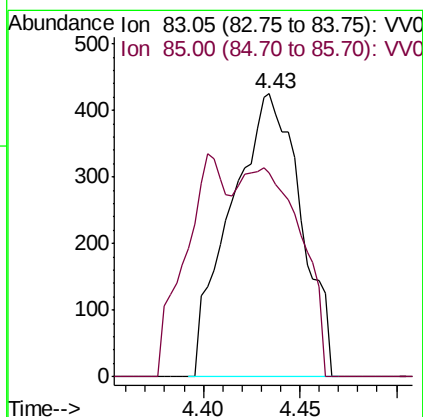
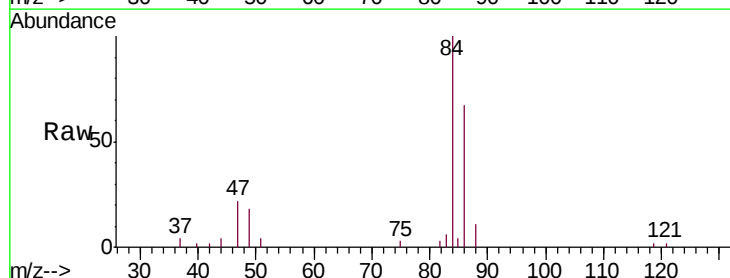
Instrument :
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 C0J71

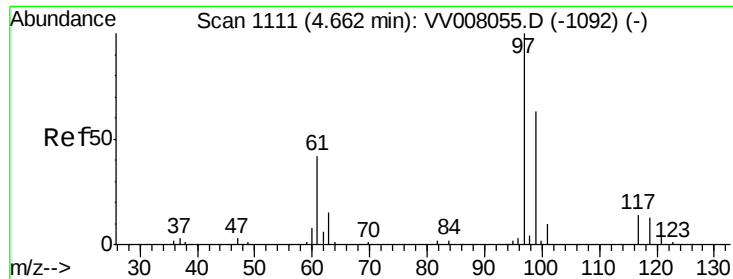
Tgt Ion: 96 Resp: 17226
 Ion Ratio Lower Upper
 96 100
 61 124.1 89.5 166.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.093 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VV008061.D
 Acq: 04 Oct 2018 14:33

Tgt Ion: 83 Resp: 1068
 Ion Ratio Lower Upper
 83 100
 85 72.2 44.8 83.2

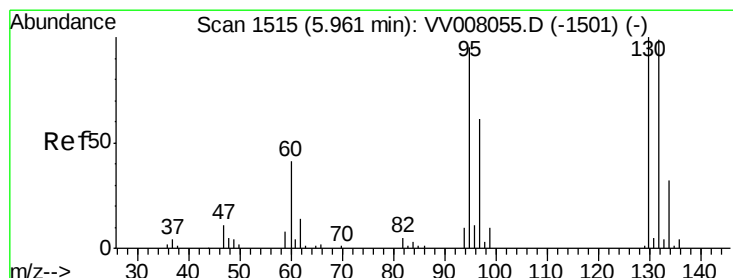
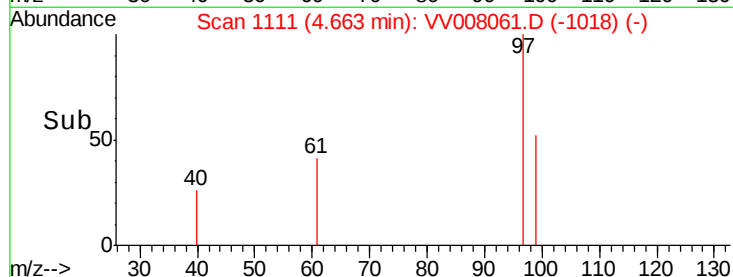
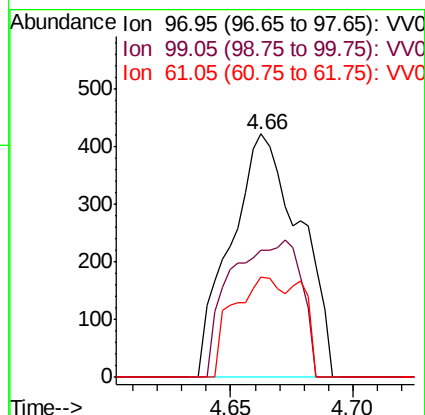
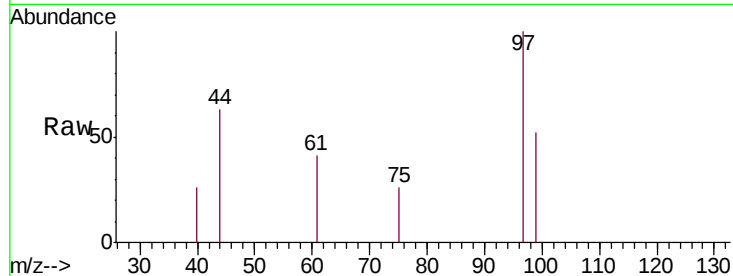




#29
 1,1,1-Trichloroethane
 Concen: 0.084 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008061.D
 Acq: 04 Oct 2018 14:33

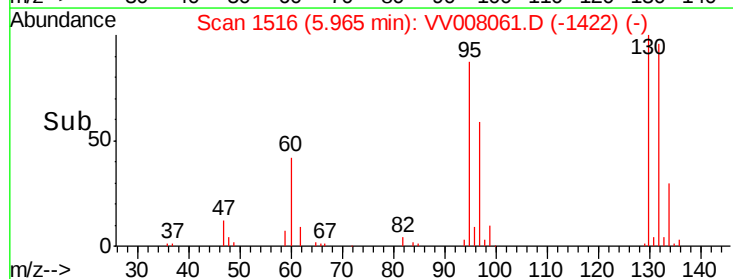
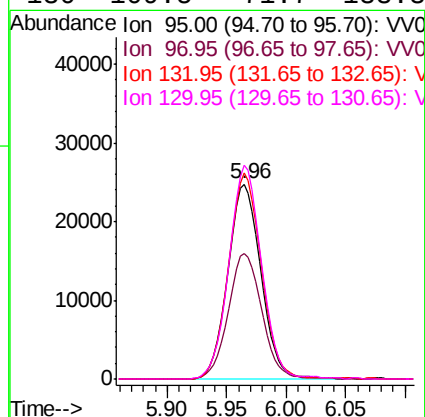
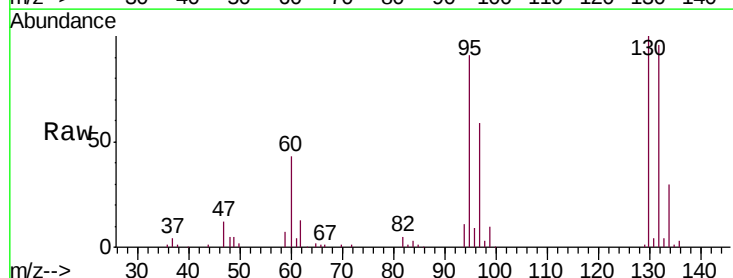
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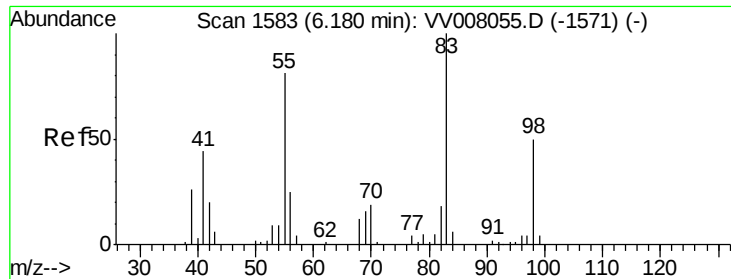
Tgt Ion: 97 Resp: 826
 Ion Ratio Lower Upper
 97 100
 99 57.9 51.2 76.8
 61 30.3 34.6 52.0#



#34
 Trichloroethene
 Concen: 7.096 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008061.D
 Acq: 04 Oct 2018 14:33

Tgt Ion: 95 Resp: 47786
 Ion Ratio Lower Upper
 95 100
 97 64.6 43.6 81.0
 132 105.4 69.9 129.9
 130 109.5 71.7 133.3

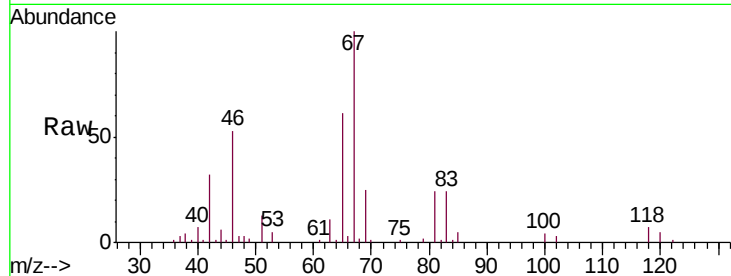




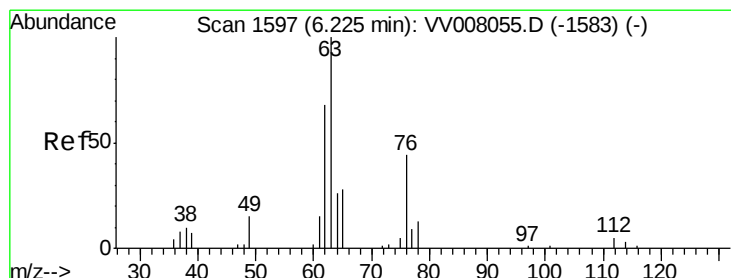
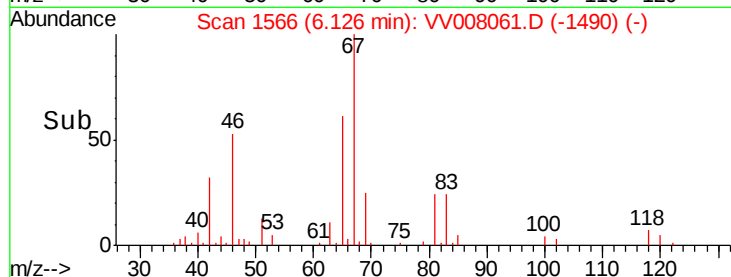
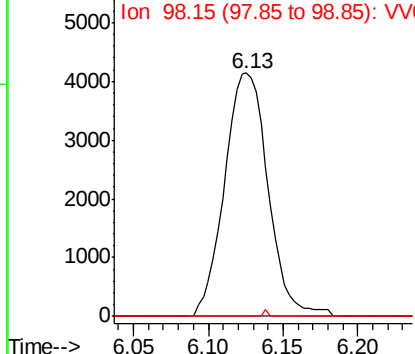
#35
Methylcyclohexane
Concen: 0.832 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008061.D
Acq: 04 Oct 2018 14:33

Instrument :
MSVOA_V
ClientSampled :
C0J71

Tgt Ion: 83 Resp: 8400
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 0.0 38.0 57.0#

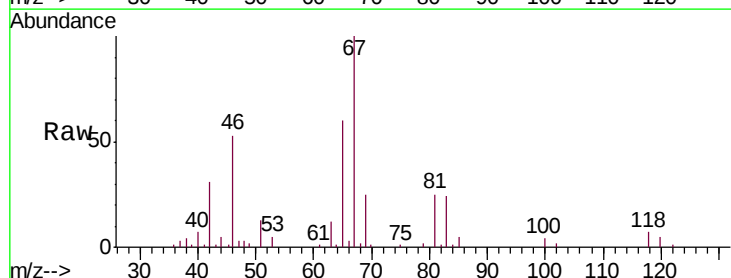


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

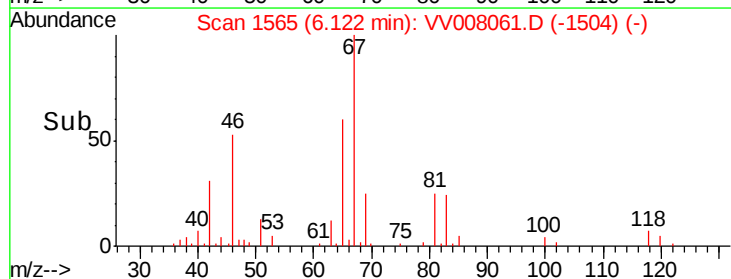
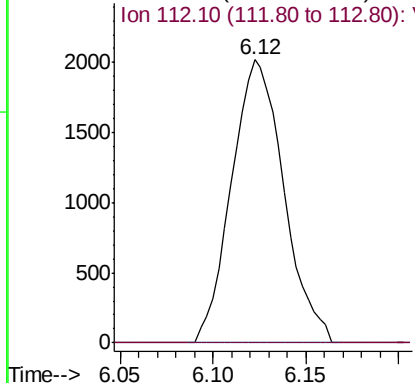


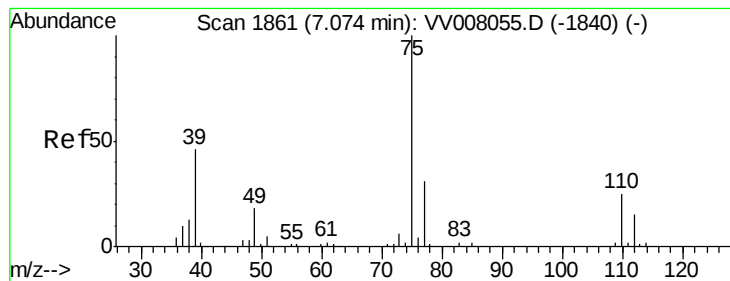
#37
1,2-Dichloropropane
Concen: 0.658 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008061.D
Acq: 04 Oct 2018 14:33

Tgt Ion: 63 Resp: 3951
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008061.D

Acq: 04 Oct 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

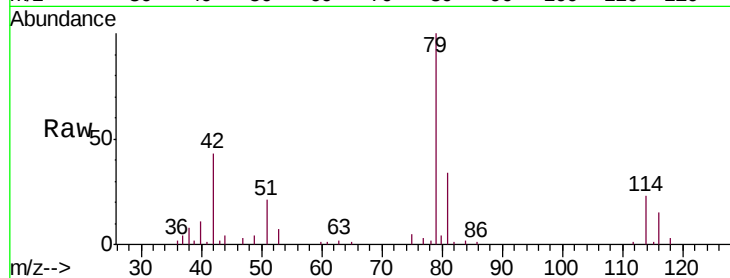
C0J71

Tgt Ion: 75 Resp: 870

Ion Ratio Lower Upper

75 100

77 53.1 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV008055.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV008061.D (-1768) (-)

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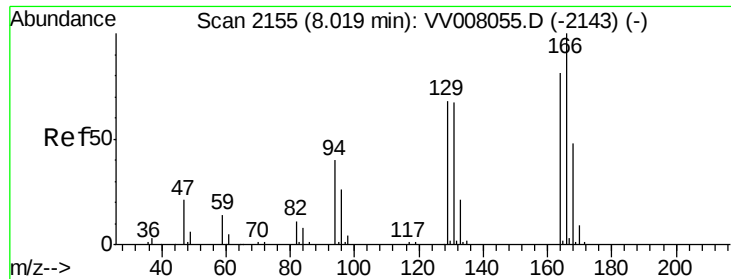
9.71

9.72

9.73

9.74

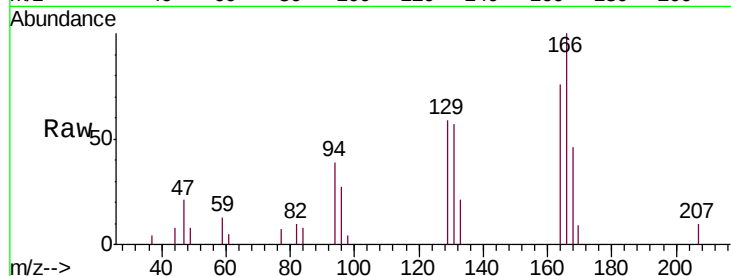
9.75



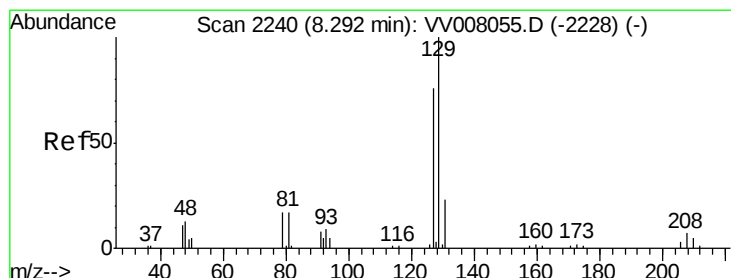
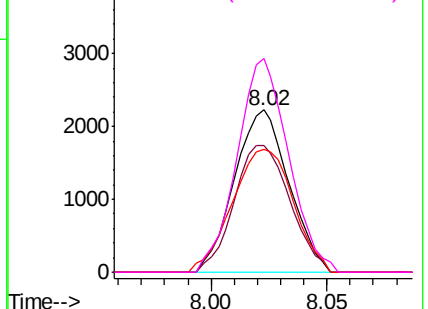
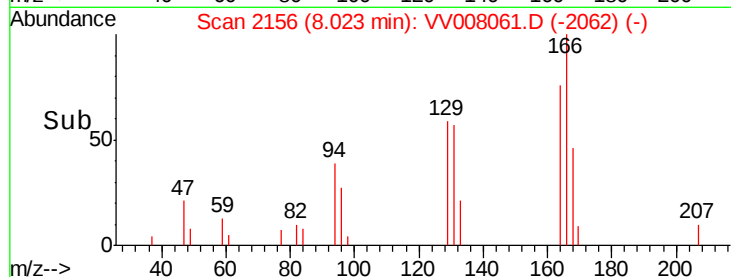
#47
Tetrachloroethene
Concen: 0.579 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008061.D
Acq: 04 Oct 2018 14:33

Instrument :
MSVOA_V
ClientSampleId :
C0J71

Tgt Ion:164 Resp: 3614
Ion Ratio Lower Upper
164 100
129 78.0 59.2 110.0
131 75.5 57.1 106.1
166 131.8 88.6 164.6

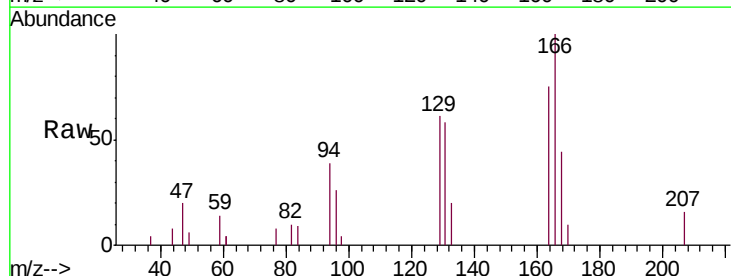


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

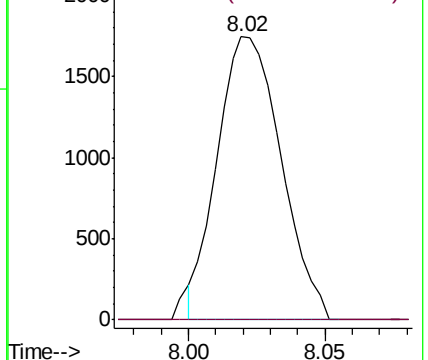
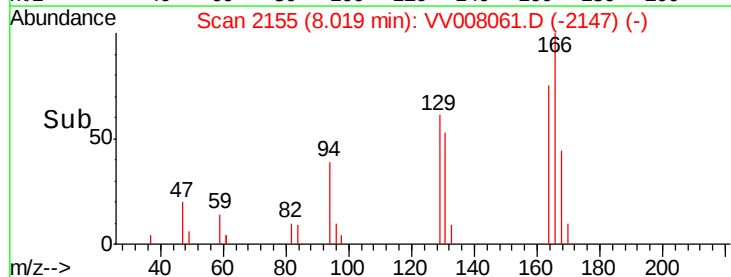


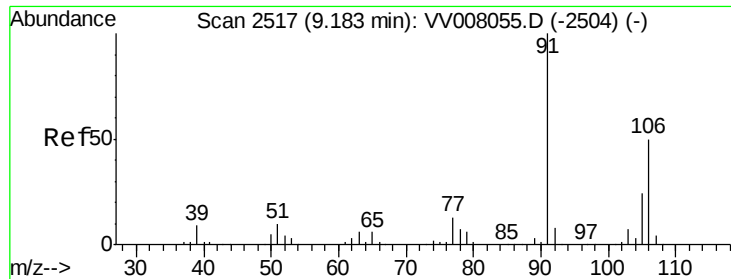
#49
Dibromochloromethane
Concen: 0.573 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV008061.D
Acq: 04 Oct 2018 14:33

Tgt Ion:129 Resp: 2835
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

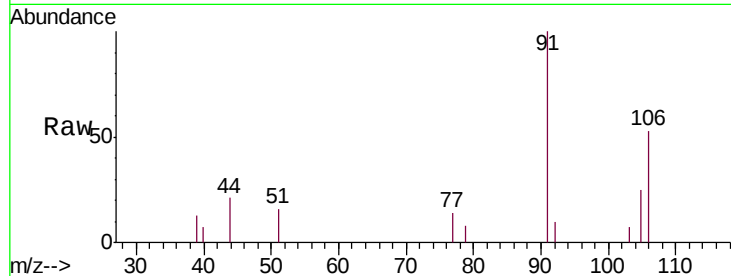




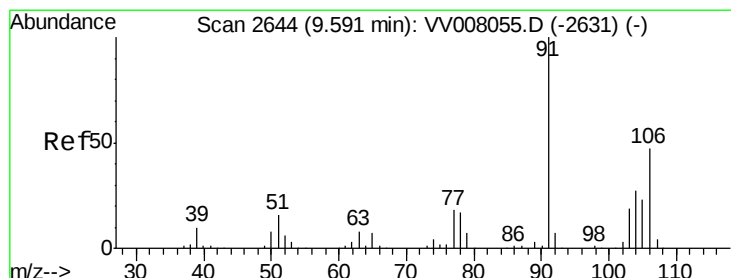
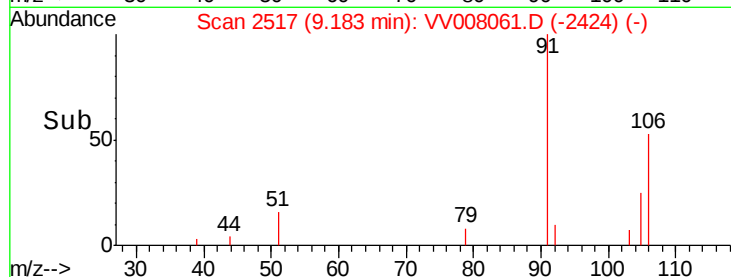
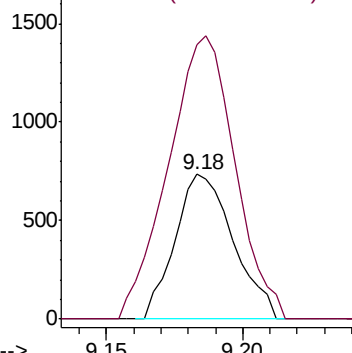
#53
m,p-xylene
Concen: 0.101 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008061.D
Acq: 04 Oct 2018 14:33

Instrument :
MSVOA_V
ClientSampleId :
C0J71

Tgt Ion:106 Resp: 1094
Ion Ratio Lower Upper
106 100
91 189.3 139.4 258.8

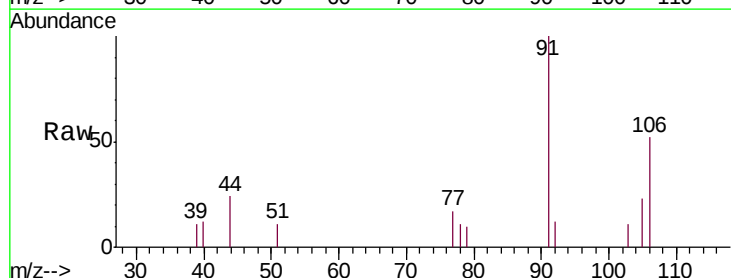


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

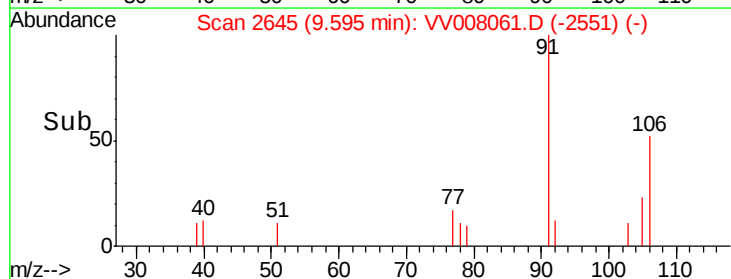
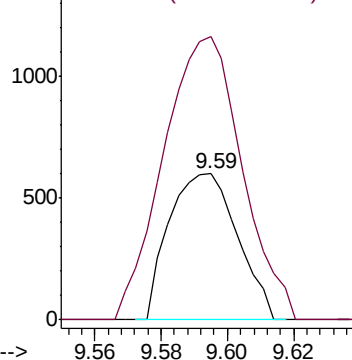


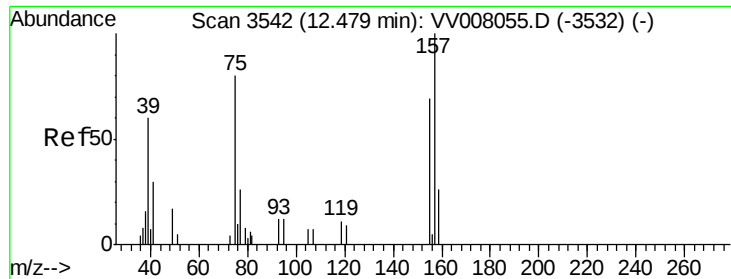
#54
o-xylene
Concen: 0.082 ug/L
RT: 9.59 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VV008061.D
Acq: 04 Oct 2018 14:33

Tgt Ion:106 Resp: 859
Ion Ratio Lower Upper
106 100
91 193.8 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0





#66

1,2-Dibromo-3-chloropropane

Concen: 0.393 ug/L

RT: 12.30 min Scan# 3486

Delta R.T. -0.18 min

Lab File: VV008061.D

Acq: 04 Oct 2018 14:33

Instrument :

MSVOA_V

ClientSampleId :

C0J71

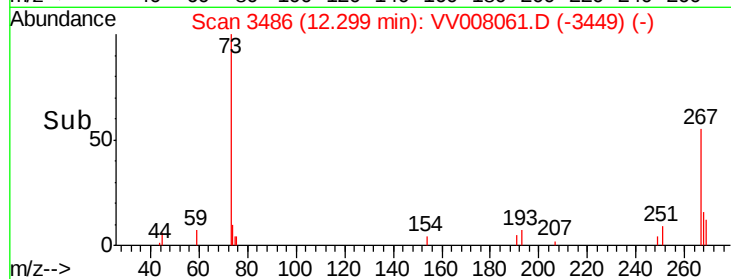
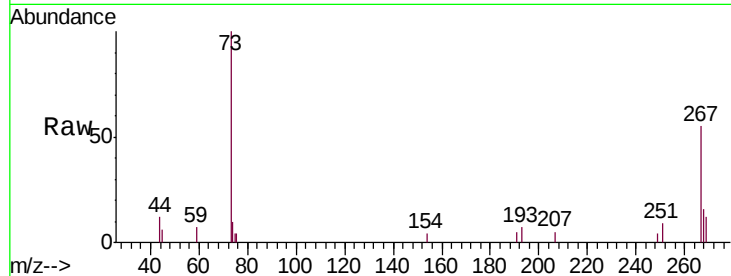
Tgt Ion: 75 Resp: 244

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

